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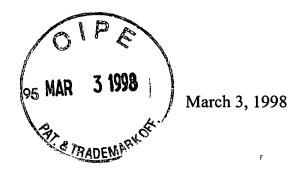
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BY COURIER

The Commissioner of Patents and Trademarks Washington, D.C. 20231, U.S.A.

Dear Sir:

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MATRIX CUSTOMER SERVICE CENTER

Re:

U.S. Patent Application No. 08/501,743

Applicant: Raafat Fahim et al

Title: Acellular Pertussis Vaccines and Methods

of Preparation Thereof

Examiner: Anthony C. Caputa

Group No.: 1800

In response to the communication of February 3, 1998, enclosed herewith is a signed copy of the Amendment faxed December 15, 1997. The inconvenience caused to the Examiner is regretted.

Yours very truly,

Michael I. Stewart Reg. No. 24, 973

MIS:ep Encl.